**IT Applications, Unit 4**

**Ch Developing a solution using spreadsheet software, p 192-195**

Case Study: Point Pleasant Social Service Program – organisational outline and current practice

Read the case study:

1 Complete the think about IT, 6-3 activity:

1. **Which current practices at Point Pleasant High School have led to inaccurate information?**

Manually processing and calculating data, i.e. placing receipts in a shoebox, making piles of information to separate the groups and manually calculating how much each group had raised.

1. **What types of validation errors might occur using the current information processing methods?**

The current processing methods may result in incorrect totals, names and management of certificates as a result of this. For example, if a group is raises over $1000 then it is possible that by using the current processing methods that they could incorrectly be placed in the silver or bronze group rather that the gold.

Analysing the problem

1. **in the analysis stage there are three parts, elaborate under each of the following:**
   1. **define the problem**

How can the accuracy of the data used by Mr. Greene when managing certificates and charity donations be improved.

* 1. **solution requirements**
     1. **what is the difference between functional and non-functional attributes**

Functional-what the solution needs to be able to do

Non-Functional - user-friendliness, reliability, portability, robustness and maintainability.

* 1. **constraints**
     1. **list the constraints**

Rely on equipment that the school already has. The fact that Mr. Greene or his students haven’t used a spreadsheet before.

* 1. **scope of solution**
     1. **Describe the scope or the extent of the solution.**

What the solution will and won’t be able to do.